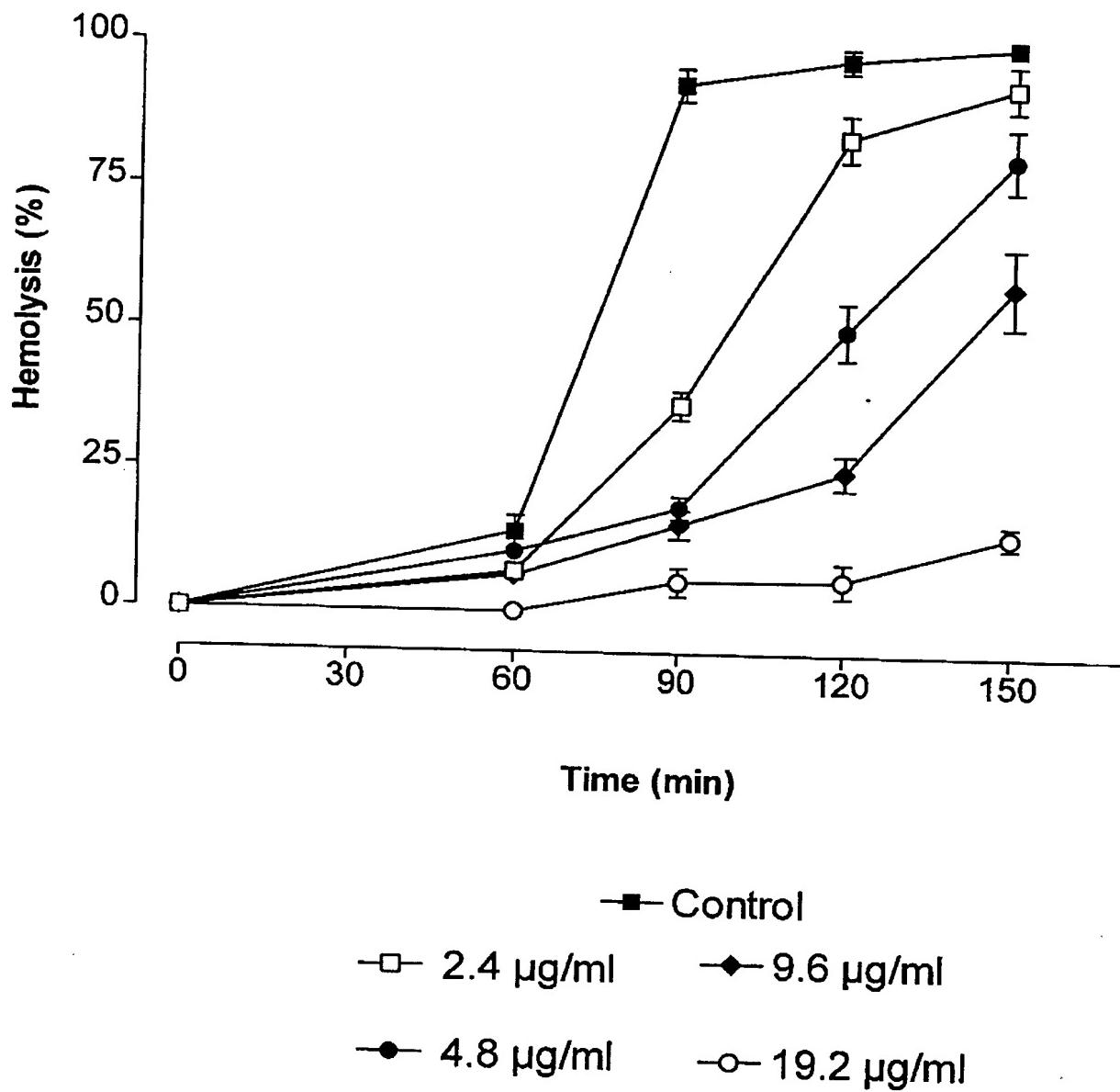
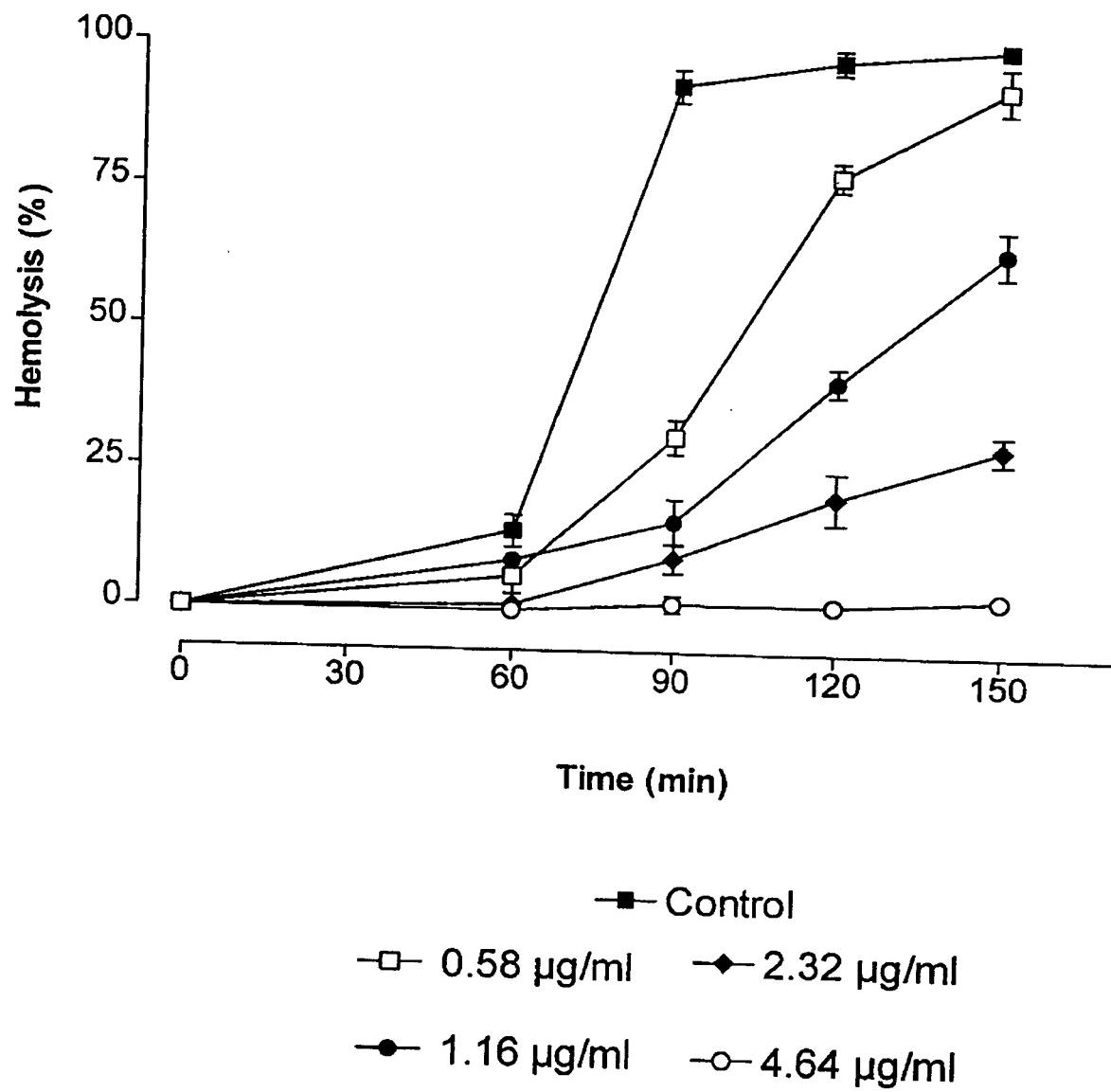


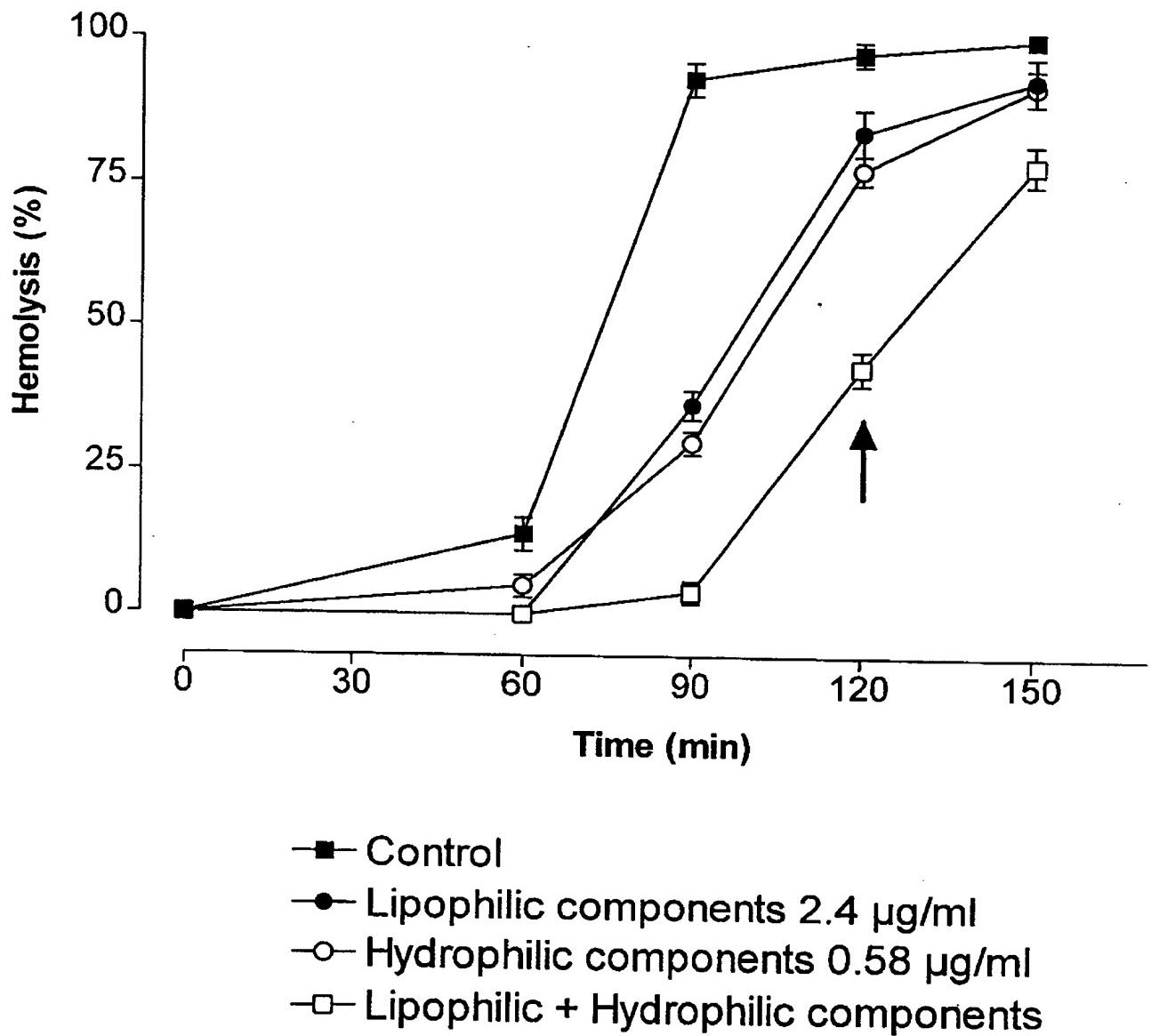
*Figure 1*



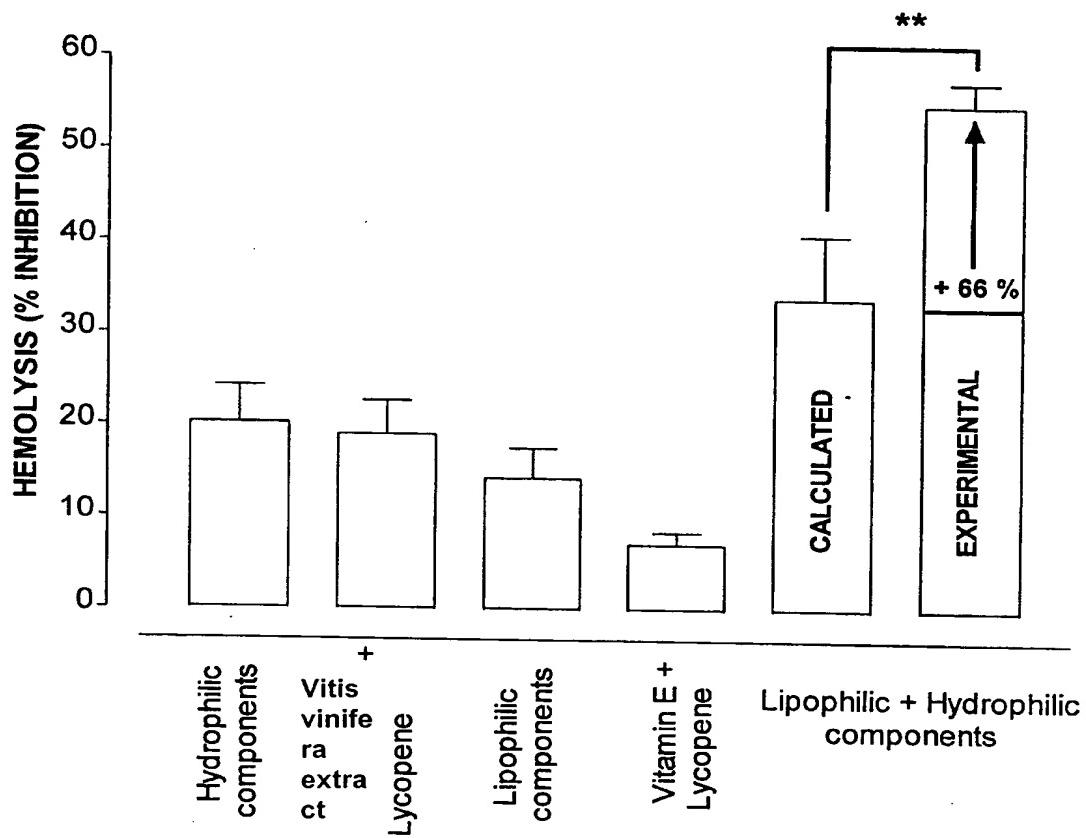
*Figure 2*



*Figure 3*



*Figure 4*

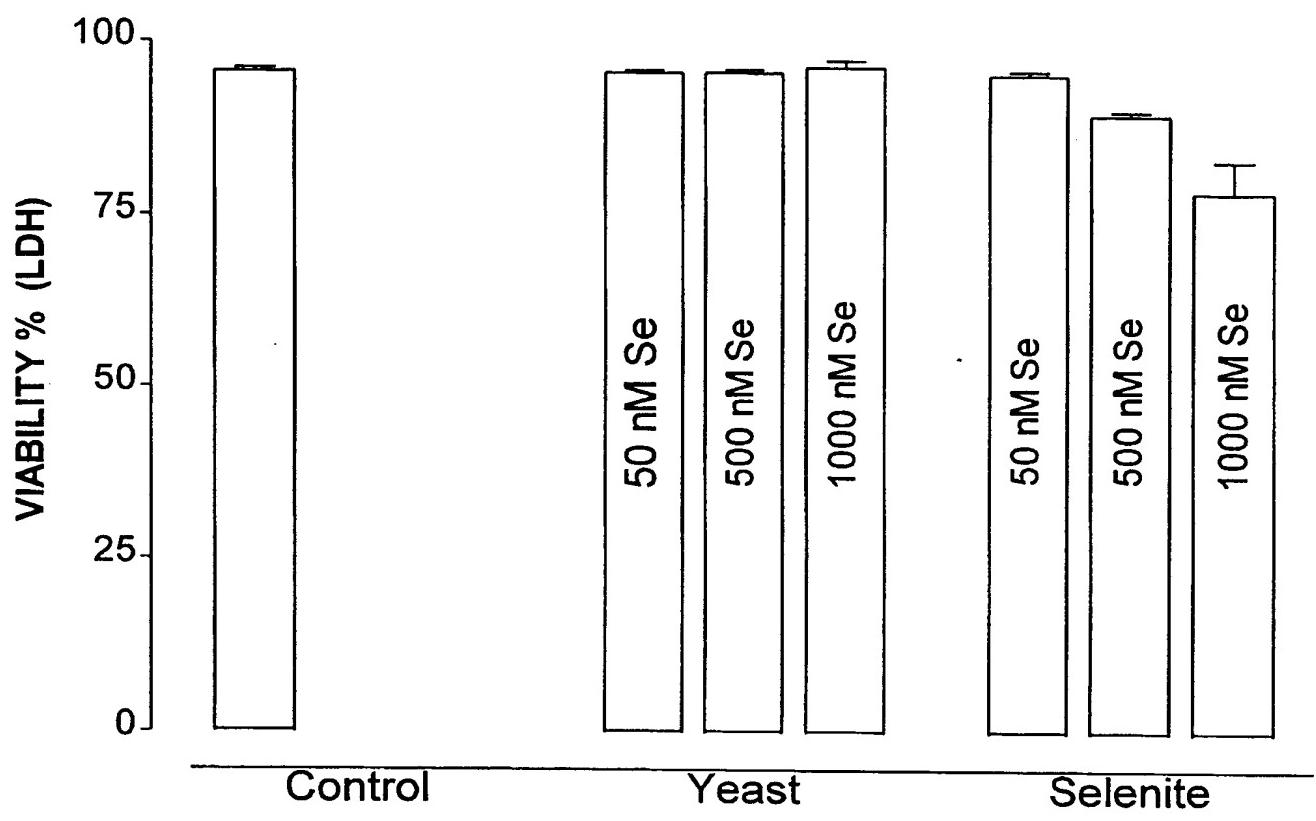


t-test = calculated vs experimental p<0.005

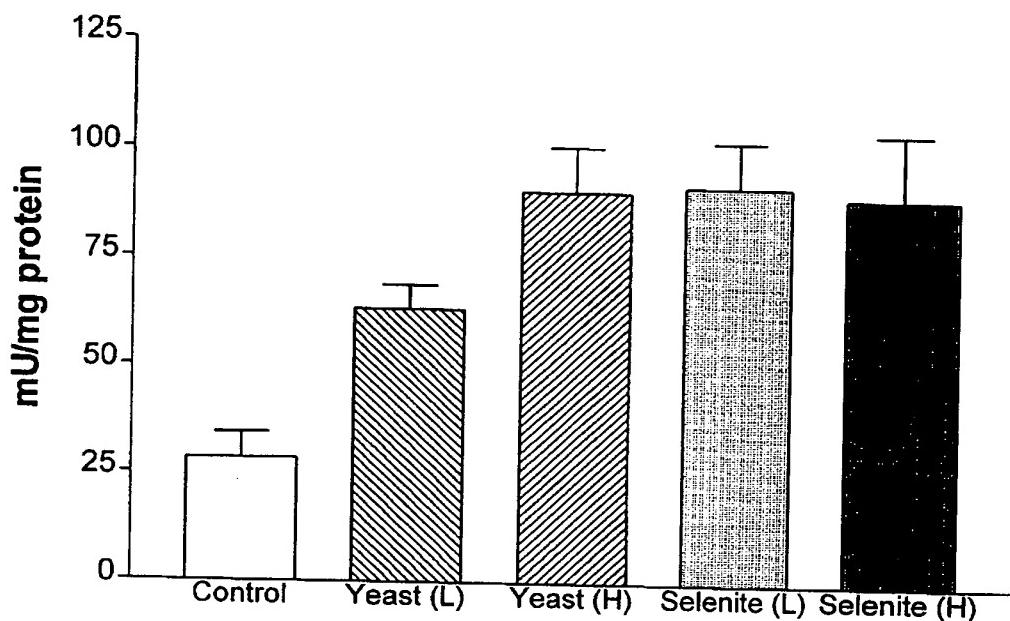
Hydrophilic components: 0.58 µa/ml  
 (Ascorbic acid 0.4 µg/ml + *Vitis vinifera* extract 0.18 µg/ml)

Lipophilic components: 2.4 µg/ml  
 (Vitamin E acetate 1.76 µg/ml + β-carotene 0.41 µg/ml + lycopene 0.22 µg/ml)

*Figure 5*



*Figure 6*



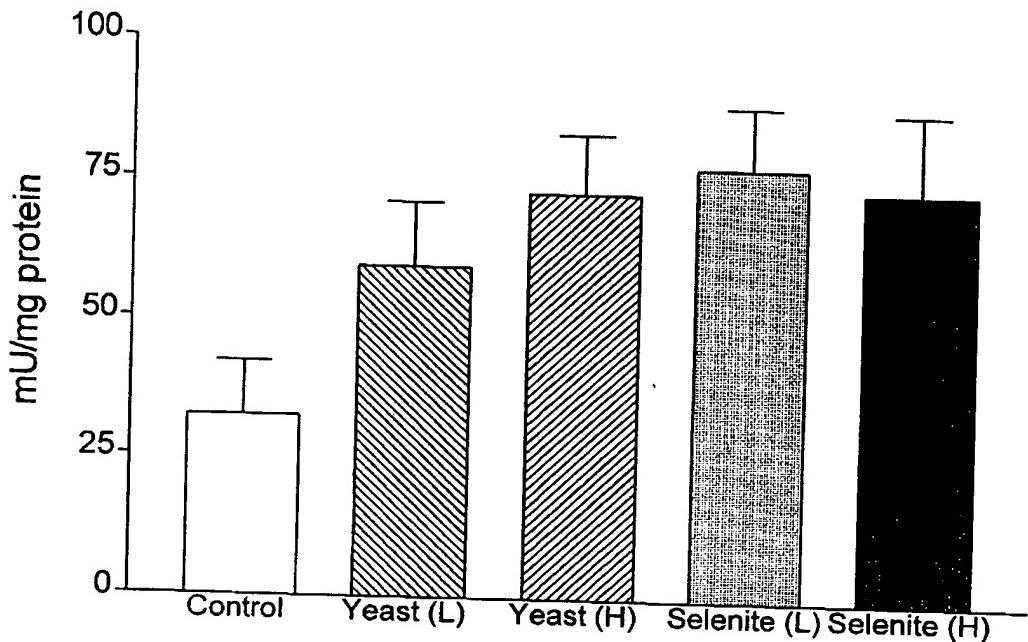
ANOVA, Tukey's post test:

Yeast (L), Yeast (H), Selenite (H), Selenite (L) vs Control  $p < 0.001$   
 Yeast (L) vs Yeast (H)  $p < 0.001$

Legend:

- Yeast (L): Selenium yeast (3.95  $\mu\text{g/ml}$ ): 50 nM Se
- Yeast (H): Selenium yeast (39.5  $\mu\text{g/ml}$ ): 500 nM Se
- Selenite (L):  $\text{Na}_2\text{SeO}_3$  50 nM
- Selenite (H):  $\text{Na}_2\text{SeO}_3$  500 nM

**Figure 7**



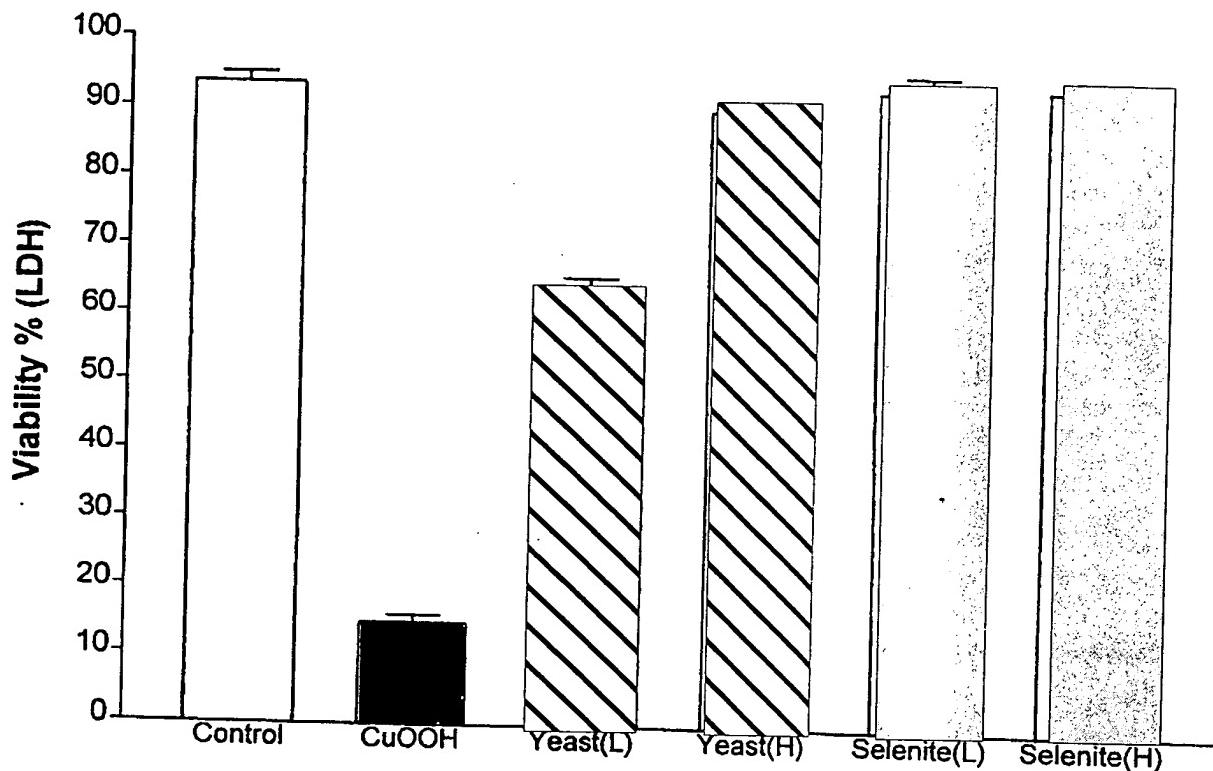
ANOVA, Tukey's post test:

Yeast (H), Selenite (H), Selenite (L) vs Control  $p < 0.001$   
Yeast (L) vs Control  $p < 0.01$

Legend:

Yeast (L): Selenium yeast ( $3.95 \mu\text{g/ml}$ ):  $50 \text{ nM Se}$   
Yeast (H): Selenium yeast ( $39.5 \mu\text{g/ml}$ ):  $500 \text{ nM Se}$   
Selenite (L):  $\text{Na}_2\text{SeO}_3 50 \text{ nM}$   
Selenite (H):  $\text{Na}_2\text{SeO}_3 500 \text{ nM}$

*Figure 8*

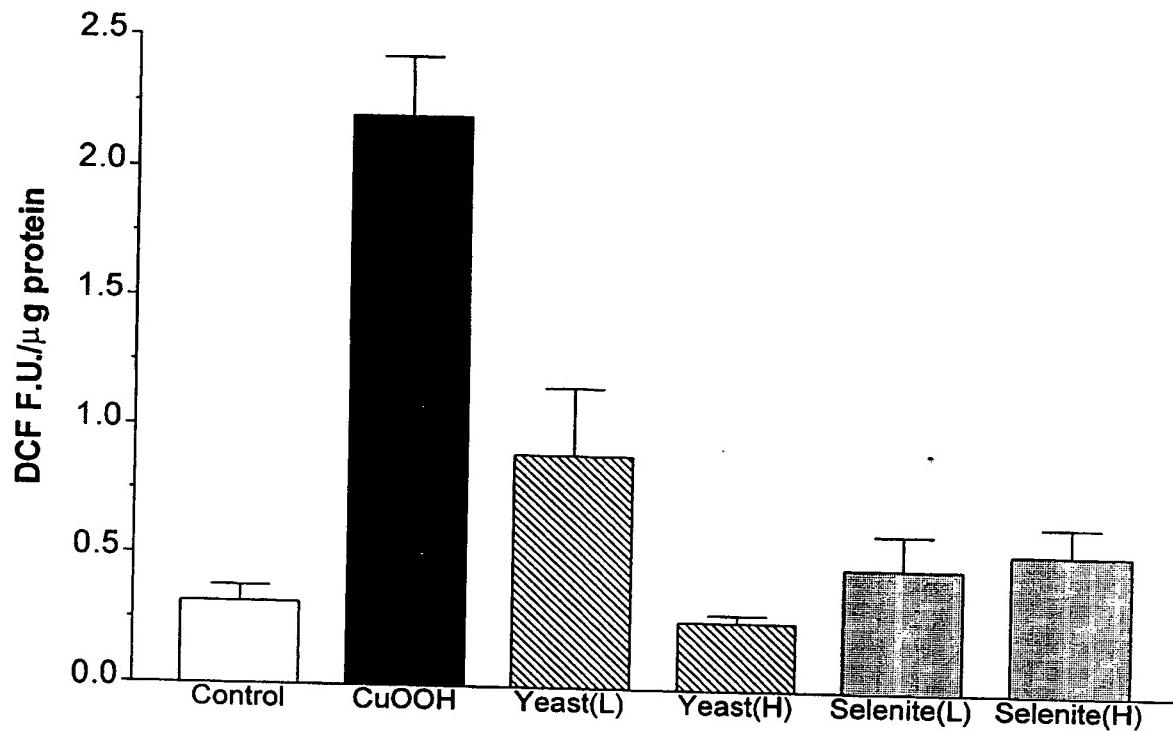


**CuOOH = 500  $\mu$ M (cell viability determined after 24h incubation)**

**Legend:**

- Yeast (L): Selenium yeast (3.95  $\mu$ g/ml): 50 nM Se  
Yeast (H): Selenium yeast (39.5  $\mu$ g/ml): 500 nM Se  
Selenite (L):  $\text{Na}_2\text{SeO}_3$  50 nM  
Selenite (H):  $\text{Na}_2\text{SeO}_3$  500 nM

***Figure 9***



**CuOOH = 500  $\mu\text{M}$  (DCF formation determined after 24h incubation)**

**Legend:**

- Yeast (L): Selenium yeast ( $3.95 \mu\text{g/ml}$ ): 50 nM Se
- Yeast (H): Selenium yeast ( $39.5 \mu\text{g/ml}$ ): 500 nM Se
- Selenite (L):  $\text{Na}_2\text{SeO}_3$  50 nM
- Selenite (H):  $\text{Na}_2\text{SeO}_3$  500 nM

**Figure 10**